We claim:

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- 1. A method to immunize a subject against malarial disease comprising:
 - a. administering to the subject a priming immunization preparation comprising one or more alphavirus replicons expressing a gene encoding a malarial antigen or combination of malarial antigens; and
 - subsequently administering to the subject a boosting immunization preparation comprising the malarial antigen or combination of malarial antigens, said preparation being selected from the group consisting of
 - 1) a recombinant non-alphavirus viral expression system encoding the malarial antigen;
 - a preparation of the malarial protein antigen produced by recombinant DNA technology;
 - 3) a synthetic preparation of the malarial antigen;
 - 4) a malarial organism or extract thereof; and
 - 5) a polynucleotide vector expressing the malarial antigen, or a combination thereof.
- The method of claim 1 wherein the alphavirus replicon preparation is selected from
 the group consisting of RNA replicons, DNA replicons, and alphavirus replicon particles.
 - 3. The method of claim 2, wherein the alphavirus is selected from the group consisting of Venuezuelan Equine Encephalitis Virus, Semliki Forest Virus, and Sindbis Virus.
 - 4. The method of claim 1, wherein the malarial antigen is selected from the group consisting of a full-length malarial antigen, an immunogenic fragment thereof, or an epitope derived from the malarial antigen, or a combination thereof.
- The method of claim 4, wherein the malarial antigen is selected from the group of malarial pathogens consisting of Plasmodium falciparum, Plasmodium vivax, and Plasmodium ovale.

- 6. The method of claim 5, wherein the malarial antigen is expressed at a stage of the malarial parasite life cycle selected from the group consisting of preerythrocytic, erythrocytic and transmission blocking.
- The method claim 6, wherein the malarial antigen is selected from the group consisting of: , PfCSP, , PfEXP1, PfSSP2, PfLSA-1, PfLSA-3, PfMSP-1, PfAMA-1, PfEBA-175, PfMSP-3, PfMSP-4, PfMSP-5, PfRAP-1, PfRAP-2.
- 8. The method of claim 1, wherein the non-alphavirus viral expression system is selected from the group consisting of poxvirus, adenovirus, adenoassociated virus, and retrovirus.
 - 9. The method of claim 8, wherein the poxvirus is selected from the group consisting of cowpox, canarypox, vaccinia, modified vaccinia Ankara, or fowlpox.
 - 10. The method of claim 1 wherein the malarial antigen is selected from the group of malarial parasites consisting of Plasmodium falciparum, Plasmodium vivax, and Plasmodium ovale.
- 20 11. The method of claim 1, wherein multiple boosting immunization doses are administered.

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- 12. The method of claim 2, wherein the alphavirus replicon is a naked nucleic acid and the priming immunization preparation consists of 1, 2, 3, or 4 doses of the naked nucleic acid.
 - 13. The method of claim 1, wherein the priming immunization preparation is administered by a route selected from the group consisting of: subcutaneously, intramuscularly, intradermally, mucosally, orally, and by specialized injection devices.
 - 14. The method of claim 1, wherein the boosting immunization preparation is administered by a route selected from the group consisting of: subcutaneously,

intramuscularly, intradermally, mucosally, orally, transcutaneously, and by specialized injection devices.

- 15. The method of claim 13 or 14 wherein the priming and boosting immunization preparations are administered by the same route.
 - 16. The method of claim 13 or 14 wherein the priming and boosting immunization preparations are each administered by a different route.
- 10 17. A method to immunize a subject against malarial disease comprising:

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- a. administering to the subject a priming immunization preparation comprising

 Venezuelan Equine Encephalitis replicon particles expressing a gene encoding
 a malarial antigen, wherein said malarial antigen is selected from the group
 consisting of a full-length malarial antigen, an immunogenic fragment thereof,
 and an epitope derived from the malarial antigen; and
- b. subsequently administering to the subject a boosting immunization preparation comprising the malarial antigen, said preparation comprising a poxvirus encoding the malarial antigen.
- 20 18. An immunogenic composition comprising two immunizing components, wherein the first immunizing component comprises alphavirus replicons expressing a gene encoding a malarial antigen, and wherein the second immunizing component comprises a preparation expressing the malarial antigen, said preparation being selected from the group consisting of
- 25 1) a recombinant non-alphavirus viral expression system encoding the malarial antigen;
 - a preparation of the malarial protein antigen produced by recombinant DNA technology;
 - 3) a synthetic preparation of the malarial antigen;
 - a malarial organism or extract thereof; and
 - 5) a polynucleotide vector expressing the malarial antigen,

or a combination thereof and wherein said malarial antigen is selected from the group consisting of a full-length malarial antigen, an immunogenic fragment thereof, and an epitope

derived from the malarial antigen.

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- 19. The immunogenic composition of claim 18, wherein said first immunizing component, said second immunizing component or both further comprise an adjuvant.
- 20. The immunogenic composition of claim 19 in combination with a pharmaceutically acceptable carrier.
- An immunogenic composition comprising two immunizing components, wherein the first immunizing component comprises alphavirus replicon particles expressing a gene encoding a malarial antigen, and wherein the second immunizing component comprises a poxvirus vector expressing the malarial antigen.
- The immunogenic composition of claim 21 wherein the alphavirus replicon particle is derived from VEE.
 - 23. An immunogenic composition comprising two immunizing components, wherein the first immunizing component comprises alphavirus replicon particles expressing a gene encoding a malarial antigen, and wherein the second immunizing component comprises a adenovirus vector expressing the malarial antigen.
 - 24. The immunogenic composition of claim 21, wherein the alphavirus replicon particle is derived from VEE.
 - 25. An immunogenic composition comprising two immunizing components, wherein the first immunizing component comprises alphavirus replicon particles expressing a gene encoding a malarial antigen, and wherein the second immunizing component comprises a plasmid DNA construct expressing the malarial antigen.
 - 26. The immunogenic composition of claim 21, wherein the alphavirus replicon particle is derived from VEE.